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TECH CENTER 1600/2900



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#13

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/733,179A

DATE: 05/02/2002

TIME: 17:20:06

Input Set : A:\SEQUENCE LISTING.TXT

Output Set: N:\CRF3\05022002\I733179A.raw

4 <110> APPLICANT: Boux, Heather A.
 5 Wong, Geraldine S.
 6 Rodriguez, Henry
 8 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING STRESS-INDUCIBLE PROTEINS

ENTERED

10 <130> FILE REFERENCE: 12071-006001
 12 <140> CURRENT APPLICATION NUMBER: US 09/733,179A
 13 <141> CURRENT FILING DATE: 2000-12-07
 15 <150> PRIOR APPLICATION NUMBER: WO US00/33341
 16 <151> PRIOR FILING DATE: 2000-12-07
 18 <150> PRIOR APPLICATION NUMBER: US 60/169,535
 19 <151> PRIOR FILING DATE: 1999-12-07
 21 <160> NUMBER OF SEQ ID NOS: 15
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 26 <211> LENGTH: 21
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Homo sapiens
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 32 Ser Thr Gly Pro Ile
 20
 33 15
 34 20
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 39 <213> ORGANISM: Homo sapiens
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 42 Cys Gly Thr Gln Ala Arg Gln Gly Asp Pro Ser Thr Gly Pro Ile
 1 5 10 15
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 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 12
 47 <212> TYPE: PRT
 48 <213> ORGANISM: Homo sapiens
 50 <400> SEQUENCE: 3
 51 Cys Gly Thr Gln Ala Arg Gln Gly Asp Pro Ser Thr
 1 5 10
 52 15
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 55 <211> LENGTH: 16
 56 <212> TYPE: PRT
 57 <213> ORGANISM: Homo sapiens
 59 <400> SEQUENCE: 4
 60 Arg Asp Lys Ile Pro Glu Glu Asp Arg Arg Lys Met Gln Asp Lys Cys
 1 5 10 15

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Input Set : A:\SEQUENCE LISTING.TXT
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63 <210> SEQ ID NO: 5
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65 <212> TYPE: PRT
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 5
69 Arg Asp Lys Ile Pro Glu Glu Asp Arg Arg Lys Met Gln
70 1 5 10
72 <210> SEQ ID NO: 6
73 <211> LENGTH: 28
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 6
78 Ala His Val Phe His Val Lys Gly Ser Leu Gln Glu Glu Ser Leu Arg
79 1 5 10 15
80 Asp Lys Ile Pro Glu Glu Asp Arg Arg Lys Met Gln
81 20 25
83 <210> SEQ ID NO: 7
84 <211> LENGTH: 14
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 7
89 Ala His Val Phe His Val Lys Gly Ser Leu Gln Glu Glu Ser
90 1 5 10
92 <210> SEQ ID NO: 8
93 <211> LENGTH: 11
94 <212> TYPE: PRT
95 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 8
98 Met Ala Pro Arg Glu Leu Ala Val Gly Ile Asp
99 1 5 10
101 <210> SEQ ID NO: 9
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103 <212> TYPE: PRT
104 <213> ORGANISM: Homo sapiens
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107 Met Gln Ala Pro Arg Glu Leu Ala Val Gly Ile Asp Cys
108 1 5 10
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111 <211> LENGTH: 15
112 <212> TYPE: PRT
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116 Gly Ser Leu Gln Glu Glu Ser Leu Arg Asp Lys Ile Pro Glu Glu
117 1 5 10 15
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120 <211> LENGTH: 643
121 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
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125 Met Gln Ala Pro Arg Glu Leu Ala Val Gln Ile Asp Leu Gln Thr Thr
126   1           5           10          15
127 Tyr Ser Cys Val Gly Val Phe Gln Gln Gly Arg Val Glu Ile Leu Ala
128       20          25          30
129 Asn Asp Gln Gly Asn Arg Thr Thr Pro Ser Tyr Val Ala Phe Thr Asp
130       35          40          45
131 Thr Glu Arg Leu Val Gln Asp Ala Ala Lys Ser Gln Ala Ala Leu Asn
132       50          55          60
133 Pro His Asn Thr Val Phe Asp Ala Lys Arg Leu Ile Gly Arg Lys Phe
134       65          70          75          80
135 Ala Asp Thr Thr Val Gln Ser Asp Met Lys His Trp Pro Phe Arg Val
136       85          90          95
137 Val Ser Glu Gly Gly Lys Pro Lys Val Pro Val Ser Tyr Arg Gly Glu
138       100         105         110
139 Asp Lys Thr Phe Tyr Pro Glu Glu Ile Ser Ser Met Val Leu Ser Lys
140       115         120         125
141 Met Lys Glu Thr Ala Glu Ala Tyr Leu Gly Gln Pro Val Lys His Ala
142       130         135         140
143 Val Ile Thr Val Pro Ala Tyr Phe Asn Asp Ser Gln Arg Gln Ala Thr
144       145         150         155         160
145 Lys Asp Ala Gly Ala Ile Ala Gly Leu Asn Val Leu Arg Ile Ile Asn
146       165         170         175
147 Glu Pro Thr Ala Ala Ala Ile Ala Tyr Gly Leu Asp Arg Arg Gly Ala
148       180         185         190
149 Gly Glu Arg Asn Val Leu Ile Phe Asp Leu Gly Gly Thr Phe Asp
150       195         200         205
151 Val Ser Val Leu Ser Ile Asp Ala Gly Val Phe Glu Val Lys Ala Thr
152       210         215         220
153 Ala Gly Asp Thr His Leu Gly Gly Glu Asp Phe Asp Asn Arg Leu Val
154       225         230         235         240
155 Asn His Phe Met Glu Glu Phe Arg Arg Lys His Gly Lys Asp Leu Ser
156       245         250         255
157 Gly Asn Lys Arg Ala Leu Gly Arg Leu Arg Thr Ala Cys Glu Arg Ala
158       260         265         270
159 Lys Arg Thr Leu Ser Ser Ser Thr Gln Ala Thr Leu Glu Ile Asp Ser
160       275         280         285
161 Leu Phe Glu Gly Val Asp Phe Tyr Thr Ser Ile Thr Arg Ala Arg Phe
162       290         295         300
163 Glu Glu Leu Cys Ser Asp Leu Phe Arg Ser Thr Leu Glu Pro Val Glu
164       305         310         315         320
165 Lys Ala Leu Arg Asp Ala Lys Leu Asp Lys Ala Gln Ile His Asp Val
166       325         330         335
167 Val Leu Val Gly Gly Ser Thr Arg Ile Pro Lys Val Gln Lys Leu Leu
168       340         345         350
169 Gln Asp Phe Phe Asn Gly Lys Glu Leu Asn Lys Ser Ile Asn Pro Asp
170       355         360         365
171 Glu Ala Val Ala Tyr Gly Ala Ala Val Gln Ala Ala Val Leu Met Gly
172       370         375         380
173 Asp Lys Cys Glu Lys Val Gln Asp Leu Leu Leu Asp Val Ala Pro

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174	385	390	395	400
175	Leu Ser Leu Gly Leu Glu Thr Ala Gly Gly Val Met Thr Thr Leu Ile			
176	405	410	415	
177	Gln Arg Asn Ala Thr Ile Pro Thr Lys Gln Thr Gln Thr Phe Thr Thr			
178	420	425	430	
179	Tyr Ser Asp Asn Gln Pro Gly Val Phe Ile Gln Val Tyr Glu Gly Glu			
180	435	440	445	
181	Arg Ala Met Thr Lys Asp Asn Asn Leu Leu Gly Arg Phe Glu Leu Ser			
182	450	455	460	
183	Gly Ile Pro Pro Ala Pro Arg Gly Val Pro Gln Ile Glu Val Thr Phe			
184	465	470	475	480
185	Asp Ile Asp Ala Asn Gly Ile Leu Ser Val Thr Ala Thr Asp Arg Ser			
186	485	490	495	
187	Thr Gly Lys Ala Asn Lys Ile Thr Ile Thr Asn Asp Lys Gly Arg Leu			
188	500	505	510	
189	Ser Lys Glu Glu Val Glu Arg Met Val His Glu Ala Glu Gln Tyr Lys			
190	515	520	525	
191	Ala Glu Asp Glu Ala Gln Arg Asp Arg Val Ala Ala Lys Asn Ser Leu			
192	530	535	540	
193	Glu Ala His Val Phe His Val Lys Gly Ser Leu Gln Glu Glu Ser Leu			
194	545	550	555	560
195	Arg Asp Lys Ile Pro Glu Glu Asp Arg Arg Lys Met Gln Asp Lys Cys			
196	565	570	575	
197	Arg Glu Val Leu Ala Trp Leu Glu His Asn Gln Leu Ala Glu Lys Glu			
198	580	585	590	
199	Glu Tyr Glu His Gln Lys Arg Glu Leu Glu Gln Ile Cys Arg Pro Ile			
200	595	600	605	
201	Phe Ser Arg Leu Tyr Gly Gly Pro Gly Val Pro Gly Gly Ser Ser Cys			
202	610	615	620	
203	Gly Thr Gln Ala Arg Gln Gly Asp Pro Ser Thr Gly Pro Ile Ile Glu			
204	625	630	635	640
205	Glu Val Asp			
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209	<211> LENGTH: 34			
210	<212> TYPE: DNA			
211	<213> ORGANISM: Homo sapiens			
213	<400> SEQUENCE: 12			
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216	<210> SEQ ID NO: 13			
217	<211> LENGTH: 30			
218	<212> TYPE: DNA			
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226	<212> TYPE: DNA			
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230 tgacaagctt agaattcttc catgaagtgg t 31
232 <210> SEQ ID NO: 15
233 <211> LENGTH: 14
234 <212> TYPE: PRT
235 <213> ORGANISM: Homo sapiens
237 <400> SEQUENCE: 15
238 Cys Arg Asp Lys Ile Pro Glu Glu Asp Arg Arg Lys Met Gln
239 1 5 10

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/733,179A

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